

ABSTRACT OF THE DISCLOSURE

A water displacement apparatus is provided which uses the heat from the sun to displace water from a water collection means. The water collection means has a water container member which may be partially submerged in a water reservoir, or connected to a remote reservoir of water. The water container member has a water transport member connected to it, through which water from the water reservoir may move into the water container member. The water from the reservoir will move into the water container member as the sun evaporates water from the water container member, since the water levels will naturally try and reach equilibrium. An electricity generation means may be operatively connected to the water collection means in such a manner that the movement of the water through said water transport member may be used to generate electricity. In an alternate configuration, a water condenser means may be connected to the water collection means in such a manner that the evaporated water may be transformed back into liquid form, for use as drinking water and/or industrial water. The electricity generation means and the water condenser means may be used together with the water collection means, or as individual components. Multiple systems may be connected together so that larger amounts of water can be evaporated, allowing for faster water movement through the water collection means, which increase electricity generation and also allows larger amounts of evaporated water to get condensed back into liquid form. A conventional windmill type of water displacement mechanism may also be utilized to displace water from within the water container member. In this instance, the wind, instead of the sun, is utilized to generate the electricity.